



TAGORE INTERNATIONAL SCHOOL
VASANT VIHAR, NEW DELHI
SYLLABUS (2024-25)
CLASS XII C & D

MONTH	ENGLISH	MATHEMATICS	PHYSICS	CHEMISTRY	BIOLOGY	COMPUTER SCIENCE	ECONOMICS	PSYCHOLOGY
APR	<p>Prose-The Last Lesson,</p> <p>Poem-Mother at Sixty- Six</p> <p>Writing Skill-Notice</p> <p>Unseen Comprehension Passage</p> <p>Prose-Lost Spring</p> <p style="padding-left: 40px;">-The Third Level</p> <ul style="list-style-type: none"> ● Writing Skill-Article <p>Activity- Art Integration - Make a poster</p>	<p>Continuity and Differentiability</p> <p>Application of derivatives</p>	<p>Electrostatic Potential and Capacitance.</p> <p>Current and Electricity</p> <p>Practical : To determine resistivity of two / three wires by plotting a graph for potential difference versus current. (Health and Wellness)</p>	<p>Solutions Henry's law Raoult's law Ideal and non ideal solutions Colligative properties Haloalkanes and haloarenes Classification and methods of preparation Practicals: 1.Chromatography 2.Salt analysis Activity: Create models of enantiomers to understand the concept of optical activity and chirality</p>	<p>Sexual reproduction in flowering plants</p> <p>Human Reproduction</p> <p>Reproductive Health</p> <p>Principles of Inheritance and Variation</p> <p>Practicals:</p> <p>Study of pollen germination</p> <p>Study adaptation in flowers for pollination</p>	<p>Exception - Classes Text File Handling - Functions - Introduction To Binary File Handling</p>	<p>Money and Banking</p> <p>Activity "Banking Simulation Game"</p> <p>Government Budget</p> <p>Activity</p> <p>Drafting a budget for an occasion</p>	<p>Variations in Psychological Attributes</p> <p>Activity: Calculation of IQ; Making a list of 5 IQ tests; Reflecting upon how are they and their sibling/ friend similar and different. Make a list of factors that they think have led to these similarities and differences.</p> <p>Practical: RSPM</p>

	with a catchy slogan on 'Child Labour'		Activity :Create a digital poster on electrical safety at home explaining the effects of electrical shock.					
MAY	<p>Prose-Poets and pancakes</p> <p>-Deep Water</p> <p>-Tiger King</p> <p>Poem-- A Thing of Beauty</p> <p>Writing Skill-Letter to the Editor</p> <p>Activity-Compose a poem on the beauty of nature using at least six poetic devices.</p>	<p>Application of derivatives (contd.)</p> <p>Integrals</p>	<p>Moving Charges and Magnetism</p> <p>Magnetic Force Lorentz Force Magnetic force on a current carrying conductor Motion in a magnetic field Galvanometer Conversion of galvanometer into ammeter and voltmeter.</p> <p>Practical To determine resistance of a galvanometer by half-deflection method and to find its figure of merit.</p>	<p>Chemical properties of haloarenes</p> <p>Alcohol,Phenol, Ethers Preparation physical properties chemical properties</p> <p>Biomolecules Protein Denaturation of protein</p> <p>Practicals: 1.Salt analysis 2.Food analysis</p> <p>Activity: create a presentation on the development of structure of glucose</p>	<p>Molecular basis of Inheritance</p> <p>Practicals: DNA extraction</p> <p>Slide preparation of onion root tip to show mitosis</p>	<p>Binary File Handling -Python-Mysql Connectivity</p>	<p>Indian Economy-1950-1990</p> <p>New Economic Policy Activity-"Timeline Analysis"</p> <p>National Income Accounting</p> <p>Activity-Tambola</p>	<p>Self and Personality</p> <p>Activity: Preparing a colorful presentation to reflect upon some of the similarities and uniqueness in self and personality, where the structure and different aspects of personality is presented. Also, individually they need to examine which technique (or combination) of assessing personality would be most effective and</p>

			<p>Cartoon Strip: Dialogue between Tesla and Edison(war of currents)</p> <p>Electromagnetic Induction</p> <p>Faraday's laws Lenz's law Self Induction Mutual Induction</p>					<p>why</p> <p>Practical: MPI & SCQ</p>
JUL	<p>Prose- Rattrap</p> <p>-The Enemy</p> <p>-The Interview</p> <p>-Journey to the end of the Earth</p> <p>Poem -Keeping Quiet</p> <p>Writing Skill-Report</p> <p>Activity- Role Play</p>	<p>Integrals (Contd.)</p> <p>Application of Integrals</p> <p>Differential Equations</p>	<p>Practical : To find the frequency of AC mains with a sonometer.</p>	<p>Nucleic acid DNA & RNA</p> <p>Electro-chemistry</p> <p>Equilibrium constant and Gibb's free energy</p> <p>Measurement of conductivity of electrolytic solutions</p> <p>Chemical Kinetics</p> <p>Rate constant and rate laws</p> <p>Practicals: Functional group analysis</p> <p>Activity</p>	<p>Evolution</p> <p>Human Health and Disease</p> <p>Microbes in Human Welfare</p> <p>Practicals:</p> <p>Homologous and analogous organs</p> <p>Study of disease causing organisms</p>	<p>CSV File Handling</p> <p>Revision Tour</p>	<p>Theory of Income and Employment.</p> <p>Activity- "Multiplier Effect Simulation"</p> <p>Human Capital Formation</p> <p>Activity-Board Game</p>	<p>Psychological Disorders</p> <p>Activity: Writing down the feelings under different situations and trying to categorize them according to the type of symptoms-physiological and psychological</p> <p>Practical- SCAT</p>

				Storytelling: create a story on speed of reaction and factors. (group activity)				
AUG	Prose-Indigo - Going Places Poem-A Roadside Stand Aunt Jennifer's Tigers Writing Skill -Invitation & Replies Activity- Listening and speaking skills	Differential Equations (contd.) Linear Programming Probability Inverse Trigonometric Functions	Alternating current Ac and Dc current Average and rms values of current and voltage Power Power factor Impedance triangle Quality factor Phasor Diagrams Transformers E.M WAVES Displacement current Electromagnetic waves Electromagnetic Spectrum	Integrated rate law Zero and first order reaction Aldehydes, Ketones, Carboxylic acids Methods of preparation Physical properties Carboxylic acids Naming and reactions Practicals: Volumetric analysis Project: create a poster on use of carbonyl compound	Biotechnology: Tools and Principles Biotechnology: Application Activity: Study the structure of the plasmid PBR322 using Snapgene software	STACKS NETWORKING- Content for PROJECT File	Employment Activity-Career Fair Rural Development Activity-Role Play Environment Activity-Project planning	Therapeutic Approaches Activity: List down 5 rehabilitation centers that work for the treatment of the mentally ill and compare and contrast the various techniques and methods used by these centers. Social Influence & Group Processes Identifying pro-social behavior in the classroom and planning a buddy system

								and reflecting on how they associate with it and are influenced by it. Also, having brainstorming sessions on the concept of social loafing
SEP	Term 1 Exam	Relations and Functions Term-1 Exam	Term I Exam Revision Dual nature of matter and radiation Photoelectric effect Dual nature De Broglie relation	Organic compounds containing Nitrogen Revision for Term-1 Exam	Organisms and Populations Revision for Term-1 Exam	Revision Mid Term Exam	India and its neighbors Revision Term-1 Exam	Term 1 Exam
OCT	Prose- On the Face of it - Memories of Childhood Writing Skill-Job Application Revision	Vectors Three-dimensional Geometry	RAY OPTICS Reflection Refraction Dispersion Optical Instruments WAVE OPTICS Huygens Principle	d-f block elements transition elements lanthanoid and actinoid	Ecosystem Biodiversity and Conservation Practical: Study of plant population density and frequency	Project File Practical File Revision Worksheets	Foreign Exchange and Balance of Payments Activity-Trading	Attitude & Social Cognition Activity: Collecting any advertisements from a newspaper, or magazine and to analyse the

			<p>Coherent and incoherent sources Diffraction</p> <p>Practical : To find the focal length of a convex lens by plotting graphs between u and v</p>	<p>Co -ordination Chemistry Nomenclature rules Isomerism Magnetic property Hybridization Geometryl</p> <p>Practicals: 1.Electro-chemistry 2.Preparation of Colloidal solution</p>	using the quadrant method.			advertisement to identify factors in it which may influence their attitude change. Also, reflecting instances through a skit, when an impression of someone was formed based on the information received about the person.
NOV	Weekly test	Weekly Test	<p>Practical : To find the focal length of a convex mirror, using a convex lens.</p> <p>Atoms and nuclei Atomic Spectra Nuclear Energy</p> <p>SEMICONDUCTOR DEVICES P-n junction Semiconductor diode Photo diode</p>	Revision	Weekly Test	Revision	Revision test	Revision test

			Solar cell					
DEC	Pre- Boards	Pre-Boards		Pre-Boards	Pre-Boards	Pre-Boards	Pre- Boards	Pre- Boards
JAN	Board Practicals Revision	Board Practicals Revision		Board Practicals Revision	Board Practicals Revision	Board Practicals Revision	Board Practicals Revision	Board Practicals Revision
FEB	Board Exams	Board Exams Revision		Board Exams Revision	Board Exams Revision	Board Exams Revision	Board Exams Revision	Board Exams Revision